

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-52 (Canceled).

53. (New) A vaccine comprising a polynucleotide that encodes and directs expression of an antigen of an influenza virus, or an antigenic portion thereof, and a stress protein, or a portion thereof, wherein (i) the antigen is nucleoprotein, neuraminidase, M1, M2, PB1, PB2 or PA; (ii) the stress protein is an Hsp100-200, an Hsp100, an Hsp90, Lon, an Hsp70, an Hsp60, TF55, an Hsp40, an FKBP, a cyclophilin, an Hsp20-30, C1pP, GrpE, Hsp10, ubiquitin, calnexin or a protein disulfide isomerase; and (iii) the vaccine induces a cell-mediated cytolytic immune response against the antigen, or antigenic portion thereof, in a mammal to whom the vaccine is administered.

54. (New) The vaccine of claim 53, wherein the antigen, or antigenic portion thereof, and the stress protein, or portion thereof, are expressed as a fusion protein.

55. (New) The vaccine of claim 53, wherein the stress protein is a bacterial stress protein.

56. (New) The vaccine of claim 55, wherein the bacterial stress protein is a mycobacterial stress protein.

57. (New) The vaccine of claim 56, wherein the mycobacterial stress protein is hsp65.

58. (New) The vaccine of claim 56, wherein the mycobacterial stress protein is hsp71.

59. (New) The vaccine of claim 56, wherein the mycobacterial stress protein is a stress protein of *Mycobacterium leprae*, *Mycobacterium tuberculosis*, or *Mycobacterium bovis*.

60. (New) The vaccine of claim 55, wherein the bacterial stress protein is an enterobacterial stress protein.

61. (New) The vaccine of claim 55, wherein the bacterial stress protein is an *E. coli* stress protein.

62. (New) The vaccine of claim 53, wherein the stress protein is a mammalian stress protein.

63. (New) The vaccine of claim 62, wherein the mammalian stress protein is a human stress protein.

64. (New) The vaccine of claim 53, wherein the stress protein is an Hsp100-200.

65. (New) The vaccine of claim 64, wherein the Hsp100-200 is a Grp170.

66. (New) The vaccine of claim 53, wherein the stress protein is an Hsp100.

67. (New) The vaccine of claim 66, wherein the Hsp100 is a mammalian Hsp110, a yeast Hsp104, or a clpA, clpB, clpC, clpX or clpY stress protein.

68. (New) The vaccine of claim 53, wherein the stress protein is an Hsp90.
69. (New) The vaccine of claim 68, wherein the Hsp90 is a yeast Hsp83 or Hsc83 or a human Hsp90 α , Hsp90 β , or Grp94.
70. (New) The vaccine of claim 53, wherein the stress protein is Lon.
71. (New) The vaccine of claim 53, wherein the stress protein is an Hsp70.
72. (New) The vaccine of claim 71, wherein the Hsp70 is a mammalian Hsp72 or Hsp73.
73. (New) The vaccine of claim 53, wherein the stress protein is an Hsp60.
74. (New) The vaccine of claim 53, wherein the stress protein is a TF55.
75. (New) The vaccine of claim 53, wherein the stress protein is an Hsp40.
76. (New) The vaccine of claim 53, wherein the stress protein is an FKBP.
77. (New) The vaccine of claim 76, wherein the FKBP is FKBP12, FKBP13, FKBP25, FKBP59, Fpr1, or Nep1.
78. (New) The vaccine of claim 53, wherein the stress protein is a cyclophilin.
79. (New) The vaccine of claim 78, wherein the cyclophilin is cyclophilin A, cyclophilin B, or cyclophilin C.

- 80. (New) The vaccine of claim 53, wherein the stress protein is an Hsp20-30.
- 81. (New) The vaccine of claim 80, wherein the Hsp20-30 is a Tcp1, TriC, or thermosome.
- 82. (New) The vaccine of claim 53, wherein the stress protein is a ClpP.
- 83. (New) The vaccine of claim 53, wherein the stress protein is a GrpE.
- 84. (New) The vaccine of claim 53, wherein the stress protein is an Hsp10.
- 85. (New) The vaccine of claim 84, wherein the Hsp10 is GroEs or Cpn10.
- 86. (New) The vaccine of claim 53, wherein the stress protein is a ubiquitin, calnexin, or protein disulfide isomerase.
- 87. (New) The vaccine of claim 53, wherein the antigen is neuraminidase.
- 88. (New) The vaccine of claim 53, wherein the antigen is M1 or M2.
- 89. (New) The vaccine of claim 53, wherein the antigen is PB1, PB2 or PA.